INDUSTRIAL COMPUTER SOURCE

TM

Model ACL/AV100 Family
Device Driver
for Windows 3.1

MANUAL NUMBER : 00793-031-1A

FORWARD

This instruction manual provides the necessary user information for the referenced product(s) manufactured or distributed by Industrial Computer Source for the user to install, operate and/or program the product properly. Please refer to the following pages for information regarding the warranty and repair policies.

Technical assistance is available at (619) 271-9340.

Manual Errors, Omissions and Bugs: A Bug Sheet is included as the last page of this manual. Please use it if you find a problem with the manual you believe should be corrected.

NOTE

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Guarantee

Thirty day money-back guarantee on all standard products sold. Special order products are covered by our Limited Warranty, however they may not be returned for refund or credit.

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In order to receive a full refund of product purchase price, the product must not have been damaged by the customer or by the common carrier chosen by the customer to return the goods, and the product must be returned complete (meaning all manuals, software, cables, etc.) within 30 days of receipt and in as-new and resalable condition. The RETURN PROCEDURE must be followed to assure prompt refund.

Restocking Charges

Product returned after 30 days, and before 90 days, of the purchase will be subject to a <u>minimum</u> 20% restocking charge and any charges for damaged or missing parts.

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No agent, dealer, distributor, service company, or other party is authorized to change, modify, or extend the terms of this Limited Warranty in any manner whatsoever. Industrial Computer Source reserves the right to make changes or improvements in any product without incurring any obligation to similarly alter products previously purchased.

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Some sales items and custom systems are not subject to the guarantee and limited warranty. However in these instances , any deviations will be disclosed prior to sales and noted in the original invoice. ***Industrial Computer Source reserves the right to refuse returns or credits on software or special order items.***

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Section 1: Driver Installation

The diskette that comes with this manual contains the ACL/AV100 family device driver for Windows™ 3.1 and the support software for its configuration and use.

This driver provides the interface between a 386- or 486-based ISA or Micro Channel computer and up to four ACL/AV100 family boards. At this time, the driver supports the following ACL/AV100 family boards:

    ACL
    ACL II+
    ACL IIR+
    ACL MC
    AV100

Installation

Follow these steps to install the ACL/AV100 family device driver for Windows 3.1.

NOTE!

The installation procedure for this driver will make changes to the **system.ini** file in your Windows directory. Before starting the installation procedure, you may wish to make a backup copy of your **system.ini** file by using File Manager to copy **system.ini** to **system.bak. See Appendix A** for the changes that are typically made to the **system.ini** file.

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1. Install each ACL/AV100 family board into your computer by following the instruction in the User's Guide.

2. Insert the driver diskette into the floppy disk drive.

3. Select " File" from the Program Manager menu. Select the "Run" option and enter a:setup or b:setup at the command line.

4. Select " Continue" when the ACL/AV100 Family board setup screen appears.

5. The next screen will ask you to verify that Windows is installed in the indicated directory. Select "Continue" when you are done with this setup.

6. The next screen will ask you which directory you want the setup program to place the ACL/AV100 Family board Configuration Utiliy and other related files.

7. The next screen will inform you that the device drivers have been installed. Select "Continue" to configure the device drivers. Go to Section 2 for the configuration instructions.

Section 2: Driver Configuration

To configure the ACL/AV100 family device driver for Windows 3.1, follow these step:

1. Click on the "Continue" button on the ACL/AV100 Family board configuration screen.

2. The screen will display the boards that could possibly be installed in your system under the menu "Board Types".

3. For non-Micro Channel boards, simply select the board type(s) you have in your computer and click on the "Install" button. The board type will appear under "Installed Boards" along with the default configuration parameters for that board type.

NOTE!

Micro Channel™ boards installed and configured with the Reference diskette and Option diskette are merely listed on the screen along with the parameters you set; you cannot select board types and use the "Install" button on the screen for these boards. See your user's guide for information on setting the configuration using these diskettes.

4. You may change any of the default configuration parameters for non-Micro Channel boards if you wish.

NOTE!

A. For an ISA bus board, make sure that the I/O address and the IRQ that you set on the screen match the hardware switch settings.

B. Although the ACL board hardware offers IRQ 2, IRQ 2 is translated to IRQ 9 on AT PC systems. If you set the switches on an ACL board to IRQ 2 before installing the board, select IRQ 9 on the screen for this board.

5. Click the "Fast Baud" box to allow applications to run at higher baud rates than they normally support. The driver will translate certain standard low baud rates that are set in these applications into higher baud rates. the mapping of these baud rates is as follows.

Standard Baud Rate	Higher Baud Rate
110	38.4K
300	57.6K
600	115.2K

6. Click on the "Map Ports" button to bring up the Map Ports screen. Make sure that you map the ports around already existing ports (e.g., serial mouse on COM1, internal modem to COM2, etc.) to avoid conflicts. Click the "OK" button when the port mappings are completed.

7. Click the "OK" button on the main screen when the driver configuration is completed.

8. After you signify "OK" to the question "Save changes to ACL/AV100 Family Board Configuration?", you will be asked if you wish to quit and restart Windows so that the changes you made will take effect.

CAUTION!

Do not press **<Ctrl><Alt><Del>** to leave Windows. This action will result in loss of information

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Appendix A: Systems.ini Changes

The following describes the changes which are automatically made to the system.ini file during installation of the ACL/AV100 Family Device Driver for Windows 3.1.

1. Your serial communications driver will be changed from

   comm.drv=comm,drv

   to the following driver which provides standard serial communication support plus ACL/AV100 Family adapter support:

   comm,drv=C:\WIN31|SYSTEM\aclcomm,drv

2. The following device driver is added to the list of device drivers:

   device=C:\WIN31|SYSTEM\r0acl.386

3. The log of communications ports is declared. In this example, ports 1,2, and 3 were mapped to COMs 3,4, and 5 respectively with the "Map Ports" submenu.

[Log Port]
COM3=1
COM4=2
COM5=3

4. The database of the ACL/AV100 adapter setup is maintained. In this example, an eight-port ACL/AV100 board is installed on an ISA bus computer.

MapBuadRate=0
Brd_0_Ports=8
Brd_0_Type=7
Brd_0_Base=200h
Brd_0_Seg=D000h
Brd_0_Size=16
Brd_0_Irq=5

BUG REPORT

While we have tried to assure this manual is error free, it is a fact of life that works of man have errors. We request you to detail any errors you find on this BUG REPORT and return it to us. We will correct the errors/problems and send you a new manual as soon as available. Please return to:

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Product: **ACL/AV100 Family Device Driver for Windows 3.1**

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Please list the page numbers and errors found. Thank you!